

CLAIMS

1. A display apparatus comprising: a fluorescent screen including a color-filter layer and a phosphor layer, which is formed on the inside surface of a panel glass having light transmissivity of 55% to 20% when a wavelength is 546nm and a plate thickness is 20mm and in which at least said phosphor layer is formed by a transfer method.

2. A display apparatus according to claim 1, wherein the fluorescent screen is provided in which either an intermediate film or a metal-back layer on the phosphor layer, or both the intermediate film and the metal-back layer are formed by the transfer method.

3. A display apparatus according to claim 1, wherein the fluorescent screen on which the metal-back layer is directly formed by the transfer method is provided.

4. A display apparatus comprising: a fluorescent screen including a color-filter layer and a phosphor layer, which is formed on the inside surface of a panel glass and in which said phosphor layer is formed by a transfer method using a photosensitive phosphor layer containing no Cr and a film thickness of the phosphor layer is 10 μ m to 15 μ m.

5. A display apparatus according to claim 4, wherein as said panel glass, a panel glass having light transmissivity of 55% to 20% when a wavelength is 546nm and a plate thickness is 20mm is employed.

6. A display apparatus according to claim 1, wherein an antireflective film is formed on the outside surface of said panel glass.

7. A display apparatus according to claim 2, wherein an antireflective film is formed on the outside surface of said panel glass.

8. A display apparatus according to claim 3, wherein an antireflective film is formed on the outside surface of said panel glass.

9. A display apparatus according to claim 4, wherein an antireflective film is formed on the outside surface of said panel glass.

10. A display apparatus according to claim 5, wherein an antireflective film is formed on the outside surface of said panel glass.

11. A color cathode-ray tube comprising: a fluorescent screen including a color-filter layer and a phosphor layer, which is formed on the inside surface of a panel glass having light transmissivity of 55% to 20% when a wavelength is 546nm and a plate thickness is 20mm and in which at least said phosphor layer is formed by a transfer method.

12. A color cathode-ray tube according to claim 11, wherein the fluorescent screen is provided in which either an intermediate film or a metal-back layer on the phosphor layer, or both the intermediate film and the metal-back layer are formed by the transfer method.

13. A color cathode-ray tube according to claim 11, wherein the fluorescent screen on which the metal-back layer is directly formed by the transfer method is provided.

14. A color cathode-ray tube comprising: a fluorescent screen including a color-filter layer and a phosphor layer, which is formed on the inside surface of a panel glass and in which said phosphor layer is formed by a transfer method using a photosensitive phosphor layer containing no Cr and a film thickness of the phosphor layer is 10 μ m to 15 μ m.

15. A color cathode-ray tube according to claim 14, wherein

as said panel glass, the panel glass having light transmissivity of 55% to 20% when a wavelength is 546nm and a plate thickness is 20mm is employed.

16. A color cathode-ray tube according to claim 11, wherein an antireflective film is formed on the outside surface of said panel glass.

17. A color cathode-ray tube according to claim 12, wherein an antireflective film is formed on the outside surface of said panel glass.

18. A color cathode-ray tube according to claim 13, wherein an antireflective film is formed on the outside surface of said panel glass.

19. A color cathode-ray tube according to claim 14, wherein an antireflective film is formed on the outside surface of said panel glass.

20. A color cathode-ray tube according to claim 15, wherein an antireflective film is formed on the outside surface of said panel glass.